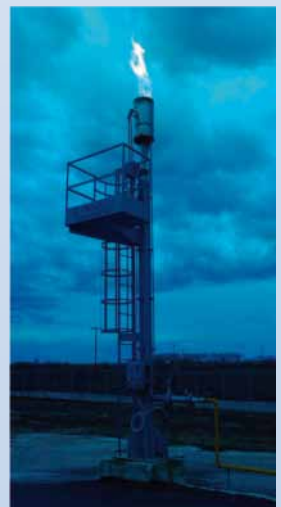




*environmental protection
technologies*

EuroConstruction Company S.A.
ENVIRONMENTAL PROTECTION



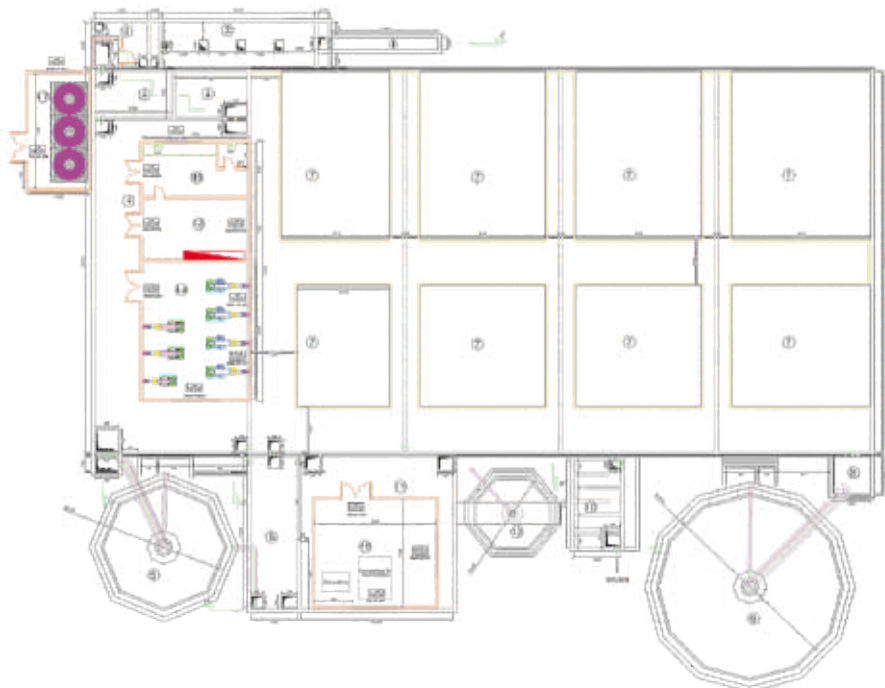
Company Profile

The mother company **EUROMARKET environmental protection systems** was established in Athens in 1978, when environmental protection was a growing market in **Greece**. It was aiming to provide services in water and wastewater engineering, in the Greek as well as the rest European market.

Being one of the few companies operating in this field, we set from the very beginning a solid base for the future expansion of our company, with the implementation of a sound Engineering approach and a strong Marketing/Management structure.

In our early start we co-operated very closely with foreign firms, for both joint-venture projects, as well as technology/know-how transfer schemes. Aiming to completely cover the field, **EUROMARKET** established both Commercial and Technical departments, ensuring the exclusive representation of the best European and American manufacturing Houses, specialized in the manufacturing of the equipment, instruments and other products relevant to environmental protection.

In an effort to improve the quality of the works and services offered by our group, we established the **EURO CONSTRUCTION COMPANY S.A (E.C.C)**.



By employing qualified and experienced personnel of all relative scientific fields, **E.C.C.** is specialized in the design, construction and installation of treatment plants, implementing proven and reliable technologies applied all over the world.

E.C.C. is specialized on the design and construction of "Turn-Key" treatment plants as well as on the manufacturing of a wide range of relevant equipment.

Since its birth, **Euro Construction Company S.A.**, has been certified and is operating under the **International Quality Standards ISO 9001 : 2000** – for the **Design, Construction, Installation and Maintenance of Technical Works** related to

- **Wastewater Treatment**
- **Water Treatment**
- **Solid Waste Treatment**
- **Air Treatment**



Due to our great experience as well as our capability for small scale pilot plants, our company is able to provide unique, flexible, custom made and economical solutions, to all your environmental protection needs.

Our primary target is to meet the required treatment results with the minimum possible running costs, complemented by the simplicity of the operation.

E.C.C. can additionally offer the following professional services :

- **Improvement and upgrading of existing installations**
- **Troubleshooting and restoration of problematic plants**
- **Follow up and support of the operation**
- **Long term operation of plants**

During all these years we have extended our activities to the foreign markets and have been awarded a number of projects mainly on industrial applications in **Europe and the Balkan Countries** (Poland, Rumania, Yugoslavia, Bulgaria, Albania), **Russia, Arab Countries** (Jordan), **Africa** (Nigeria).

Our reference list covers more than **four hundred and fifty (450) projects fully commissioned by us.**

Industrial wastewater treatment

- Farms and abattoirs
 - Food industry
 - Fruit, Meat and fish processing
 - Milk and Cheese Factories
 - Soft drinks – Juice - Breweries
 - Metal processing
 - Cosmetics
 - Detergents
 - Pulp and paper
 - Chemical and petrol processing
- and many others

Municipal wastewater treatment

- Cities – Small Towns
- Villages
- Hotels
- Prefabricated units for houses

Water treatment

- Drinking water for Municipalities, Villages, Hotels and smaller applications
- Food processing and catering
- Industrial reuse
- Gray water reuse
- Swimming pools and fountains

Anaerobic digestion of organic waste

Biogas and energy production plants for:

- Pig – cow manure
- Vegetables and fruits
- Municipal organic waste
- High strength wastewaters

Sludge management

- Sludge dewatering
- Sludge drying

Composting plants for:

- Chicken manure
- Cow and pig manure
- Other organic sludges

Industrial wastewater treatment

Industrial wastewater is considered any kind of effluent coming out from an industrial process.

Different types of treatment technologies are selected by our experienced Engineers, adapting to the individual technical and financial requirements of each project, designing in this way an **"OPTIMUM" wastewater treatment plant.**

Our long year experience, the possibility for pilot testing and simulation together with our close cooperation with accredited and reliable laboratories, **ensure the correct and safe design** as well as **the successful long term operation of our plants.**

Foreseeing future plant upgrades or extensions due to the implementation of stronger environmental Regulations or increase of production capacities, is a usual practice for our scientific personnel, throughout the design stage.



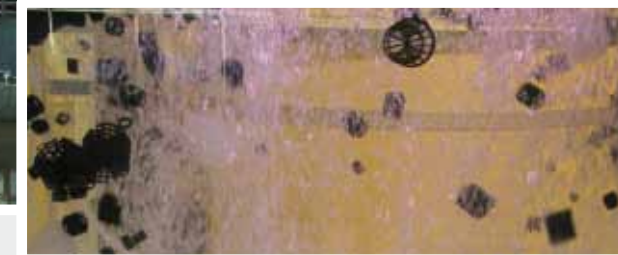
Activated Sludge Biological process



Physical & Chemical treatment



Fixed Film process



M.B.R Process



Lagoons



Flotation plants



Municipal wastewater treatment

Sewage treatment, is the process of removing contaminants from wastewater and household sewage, both from municipal and domestic application.

It includes physical, chemical and biological processes to remove physical, chemical and biological contaminants.

Our company can provide **various flexible solutions**, which combine high efficiency and safety in achieving the required results together with low energy costs and easy operation.

Compact, pre-fabricated plant options are also available, in order to meet space limitations, Civil Work Permits problems etc.



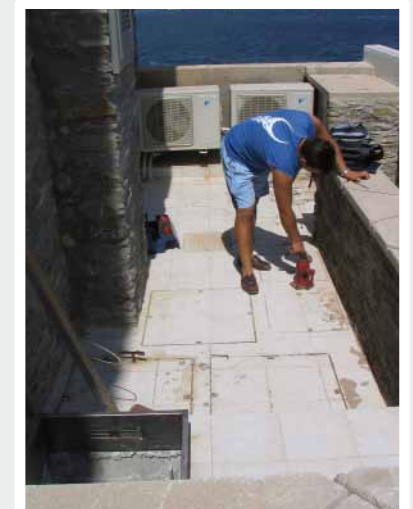
Cities and Towns



Villages or Municipalities



Hotels



Compact pre-fabricated plants for small hotels and private houses

Special equipment manufacturing

Working in the environmental protection field since 1978

and having installed and operated more than 450 plants, we have acquired a big on-site experience which we implement back to our manufacturing line of special stainless steel machinery and constructions.

In that way, we make them be :

- a. Of highest quality
 - b. Economical
 - c. Efficient
 - d. Safe in use
 - e. Easy to operate
 - f. Easy to maintain
- and most of all,
Long lasting ...



Self-cleaning Screens



Containerized plants



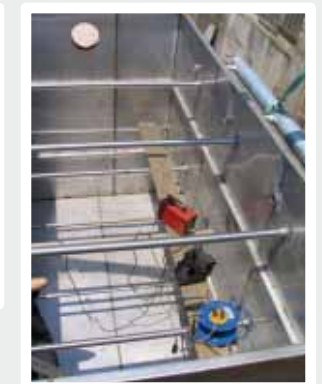
Dissolved Air Flotation units



Sedimentation tank and thickener equipment



Stainless steel tanks



Stainless steel constructions

Water treatment and reuse

Water, is a common chemical substance that is essential for the survival of all known forms of life.

Clean and fresh water is absolutely necessary in order to sustain human and other life while at the same time, its use in industrial and other processes is of utmost importance.

Combining our Technology with the high quality products from the biggest manufacturing Houses, **E.C.C can provide safe, flexible and most of all economical solutions**, to fit its customers necessities.

Our design and applications vary from a sophisticated Municipal or Industrial water treatment plant down to domestic application.

Municipal water treatment plant



Softening and Ion exchange



Membrane separation and industrial water reuse (microdyn-nadir)



Water sterilization (U.V – Chlorination – Ozone)



Sand and active carbon filtration

Swimming pools & Water fountains



Anaerobic digestion of organic waste

Anaerobic digestion, is the treatment of organic wastes (in liquid or sludge form), with the help of bacteria under anaerobic conditions (absence of oxygen).

It is widely used for disintegrating wastes with high organic load, since as technology it provides a number of important benefits such as low space requirements, low operational costs, less sludge production, production of biogas etc.

Especially the **production of biogas**, is a very important feature of the technology, as biogas has a high calorific value and can be used as fuel for the production of electrical and thermal power.

In that way, depending on the amount of biogas produced per case, the plant can be **self-sustained**, or can provide enough **“green” power** for reuse in many applications such as steam production, water heating, CHP units etc.



Digestion of organic solids



Digestion of high strength organic liquids



Combination of solids digestion with Rendering process for slaughterhouse by-products

Biogas and energy production



Sludge Management

Sludge management can be a very difficult and important problem since on one hand the relative environmental Regulations become more strict every year while on the other, the costs for treating and disposing of the sludge is quite significant.

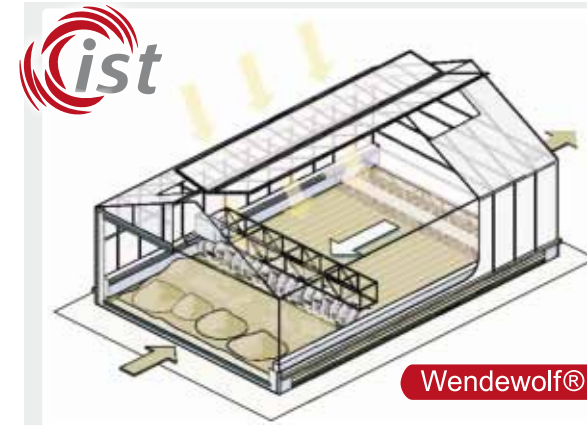
E.C.C. can select and provide for its customers very interesting solutions, on case per case basis, concerning:

- Sludge Dewatering
- Sludge Drying
- Sludge composting and fertilizer production plants

 HOSOYA & CO.



Composting treatment of organic wastes



Sludge drying



Sludge dewatering



**Your reliable partner
for every case...**

**Design and erection
of new plants**



**Extension and upgrading
of existing installations**



**Troubleshooting
and restoration
of problematic plants**

Follow up and maintenance contracts



We provide also ...

Turn-key solutions



**Pilot
tests & lab
analysis**

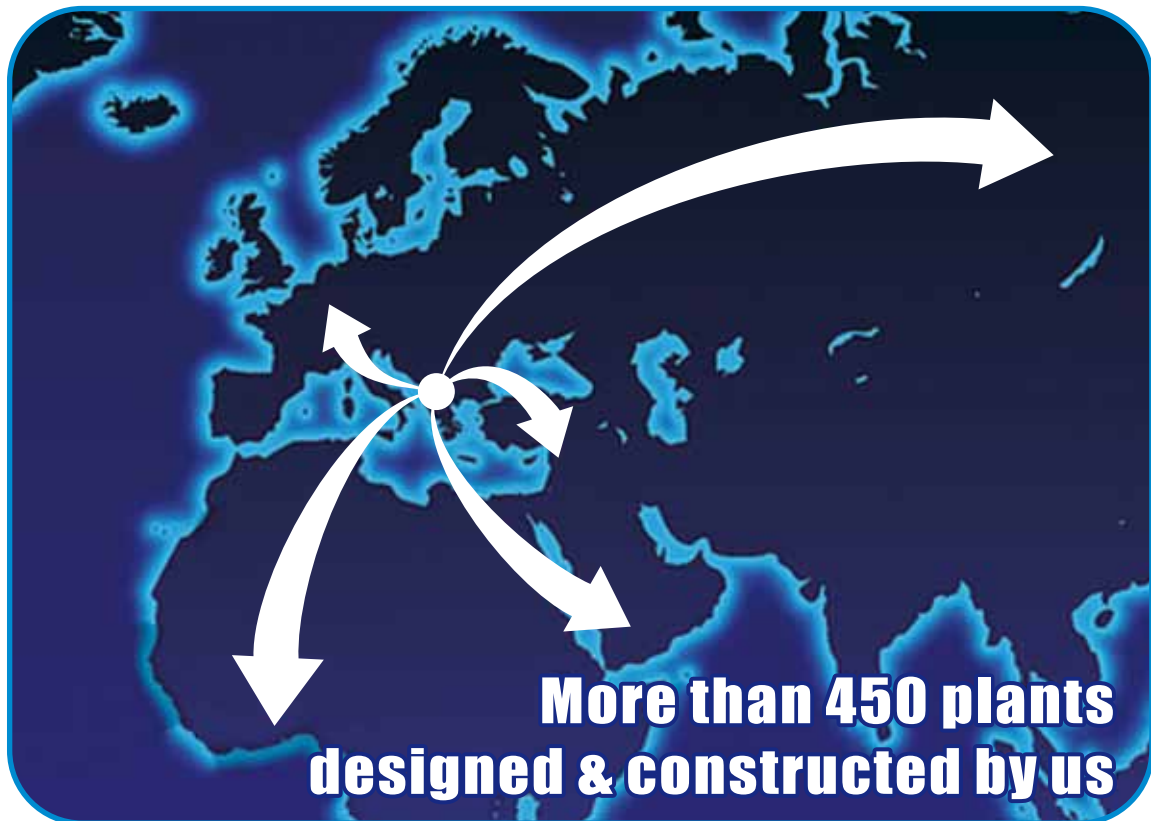


Engineer and operator training



Funding and leasing solutions

Our References are Our Image



Some of our customers ...

The Coca Cola Company, Pepsi Cola, Unilever, Tasty foods, Craft foods, Lowenbrau, Mobil, Metaxas, Creta farm, Hellenic Quality Foods, Sarantis, Papoutsanis, Interchem, Interstar, Picovit farm etc.

E.YD.AP., Municipality of Steni, Kea Island, Halkida, Levadia, Lindos etc.

Club Mediterranee, Porto Carras, Kolymia beach, Skiros Palace, Golden Coast, Mare Nostrum, OPAKE O.T.E, Attiki odos, Goulandris Museum etc.

Ask for the good performance and completion certificates and visit our plants

EuroConstructionCompany S.A.
ENVIRONMENTAL PROTECTION

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